

Patent Application: 10/749,024

Conclusion

I have repeatedly and in all correspondence clearly outlined the salient differences in scope and approach between my patent application 10/749,024 and Patents 6,456,744 and 5677956. I summarize once again.

- 1) My patent application is on COMPRESSION and ENCRYPTION as a single operation versus two separate steps of compression and encryption highlighted in different literature
- 2) My patent application uses radically different CA transforms, vector quantization method, Programmable CA concept and other innovative ways that are not found in Lefe's patents.
- 3) **The concept of CA and concept of CA transform cannot be patented.** It has been researched from 1950s when Von Newman introduced Cellular Automata (CA). So are the concepts of data compression and encryption. The innovativeness of patents should be based on different ways to applying different CA transforms for achieving the above tasks. So Lefe's patent cannot claim inclusion of ALL different CA transforms for compression and encryption. What he has rightfully patented is a single type of CA transform applicable to data compression and another CA transform applicable for encryption. My patent application uses an entirely different CA transform for a single integrated operation of compression and encryption. There is no similarity in the CA transforms that have been used in my patent and Lefe's patent.

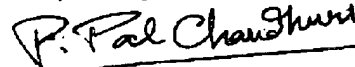
It is with an increased level of frustration that I note and bring to your attention remarks made by the examiner in rejecting the claims, sighting specific sections from Lefe's patents with absolutely no relation with the claims registered under patent application 10/749,024. This has been ongoing for over 2 years with repeated correspondence.

I am a researcher in the area of Cellular Automata for over 30 years with several 100 academic papers and books. To aid the current or any new examiner in understanding of such a complex subject like Cellular Automata (CA), I would also recommend names and contact information of several leading scholars and researchers both in academia and industry, in the field of compression, encryption and Cellular Automata in USA and Worldwide with whom the examining team could consult for any clarifications.

The respectfully request a re-examination of my application by a second examiner.

If you believe a telephone conference would clarify details to accelerate action on this case in any way, you are invited to contact Mr. Somshubhro Pal Choudhury, my Agent at 408-910-2936.

Respectfully submitted,



Professor Parimal Pal Chaudhuri

Contact address of Agent of Parimal Pal Chaudhuri

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